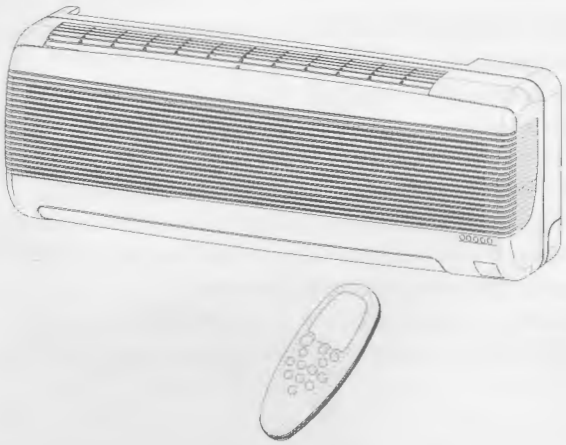
MARIANI CLIMA

Split Type Air Conditioner Operation Manual



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- Please read this manual carefully before operating the air conditioner.
- Pay special attention to signs of **"WARNING"** and **"CAUTION"**. The "Warning" section contains matters which, if not observed strictly, may cause death or serious injury. The "Caution" section contains matters which may result in serious consequences if not observed properly.
- Please strictly follow all instructions to help ensure your safety.

WARNING

- We recommend that you ask a qualified technician to install your air conditioner in accordance with the Installation Manual provided.
- Read this manual carefully before using your Split Type Air Conditioner.
- Keep this manual for future reference as it contains important operating and safety instructions.
- All wiring must conform to local and national electrical codes.
- To avoid possible electrical shock, you must ground your air conditioner.
- This air conditioner requires a separate power supply on a separate fused circuit.
- If the supply cord is damaged, it must be replaced by a qualified technician.
- Do not disconnect or connect the power plug during operation.
- Do not insert your finger, a stick or any object into the air inlet and air outlet.
- Do not expose skin directly to the indoor airflow for an extended period of time.

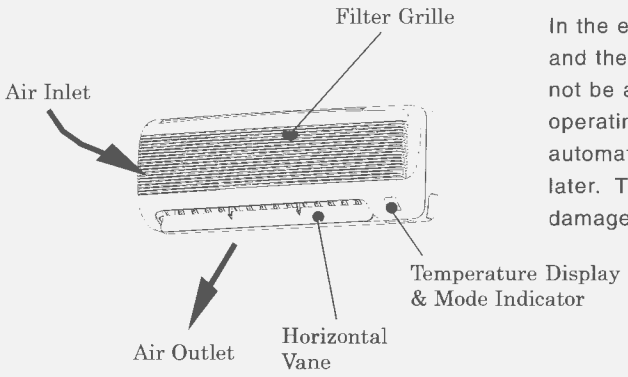
CAUTION

- Keep this manual for future reference as it contains important installation and safety instructions.
- Do not install the outdoor condensing unit near flammable gas. The condensing unit may catch fire if flammable gas leaks.
- Do not operate power plug with wet hands.

Call for service immediately when:

- The power cord or plug overheats.
- A fuse blows or a circuit breaker trips frequently
- The controls do not work properly.

Indoor Unit



CAUTION:

In the event that the air conditioner is turned OFF and then turned ON immediately. Thereafter, do not be alarmed that the unit does not start operating immediately. The air conditioner will automatically restart approximately 3 minutes later. This protects the compressor from being damaged.

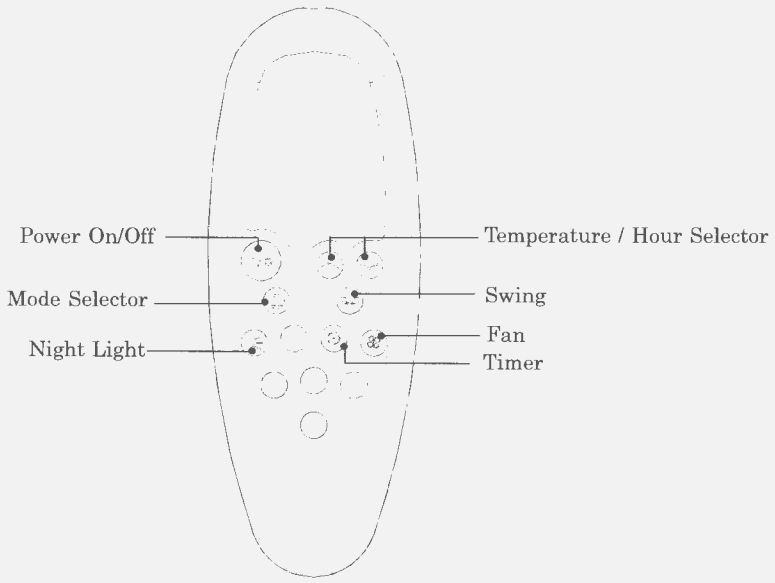
Operating Temperature Range

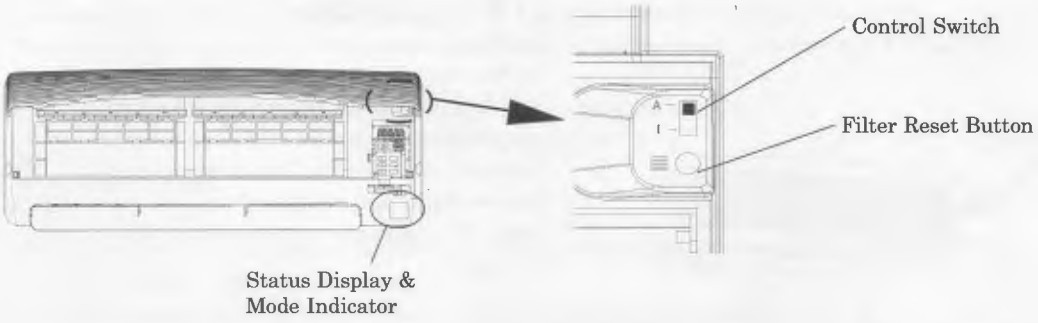
	Cooling				Heating			
	Indoor		Outdoor		Indoor		Outdoor	
	DB°C	WB°C	DB°C	WB°C	DB°C	WB°C	DB°C	WB°C
Max. Temp.	32.0	23.0	**	26.0	27.0	---	24.0	18.0
Min. Temp.	21.0	15.0	21.0	15.0	20.0	---	-15.0	-6.0

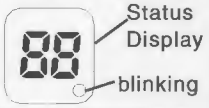
DB°C is Dry Bulb WB°C is Wet Bulb

** where DB°C is 46.0 in India, 52.0 in Middle East and other regions are 43.0

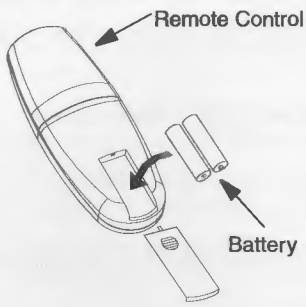
Remote Control - Basic Type





<table>
<tr><th colspan="2">Actions</th><th>Descriptions</th></tr>
<tr><td rowspan="4">Mode Indicator</td><td>Blue</td><td>Lights up when the unit is in cool mode.</td></tr>
<tr><td>Red</td><td>Lights up when the unit is in heat pump mode.</td></tr>
<tr><td>Green</td><td>Lights up when the unit is in dry mode.</td></tr>
<tr><td>Yellow</td><td>Lights up when the timer function is in operation.</td></tr>
<tr><td rowspan="2">Control Switch Position</td><td>Up (A)</td><td>Select this position(A) to operate your air conditioner in Automatic mode. In this mode, default set temperature is 22°C. Use this setting when the remote controller doesn't work or you have misplaced it.
Automatic mode operating conditions
<table>
<tr><th>Room Temperature Range</th><th>Mode of operation if automatic mode is selected</th></tr>
<tr><td>Room Temp. > 24°C</td><td>Cool mode</td></tr>
<tr><td>20°C ≤ Room Temp. ≤ 24°C</td><td>Dry mode</td></tr>
<tr><td>Room Temp. ≤ 19°C</td><td>Heat mode</td></tr>
</table></td></tr>
<tr><td>Down (I)</td><td>Select this position for normal operation with the remote control.</td></tr>
<tr><td colspan="2">Clean Filter Indicator
 
</td><td>When the green light blinks on the Status Display, it is time to clean the air filters and replace the air purifier's. See page 8 on cleaning the air filters.</td></tr>
<tr><td rowspan="11">Status Display</td><td>F_</td><td>Low fan speed</td></tr>
<tr><td>F=</td><td>Medium fan speed</td></tr>
<tr><td>F≡</td><td>High fan speed</td></tr>
<tr><td>FA</td><td>Automatic fan speed</td></tr>
<tr><td>E1</td><td>Indoor air sensor fault - Call for service.</td></tr>
<tr><td>E2</td><td>Indoor coil sensor fault - Call for service.</td></tr>
<tr><td>E3</td><td>Both indoor sensors fault - Call for service.</td></tr>
<tr><td>E5</td><td>Low refrigerant charge - Call for service.</td></tr>
<tr><td>IF</td><td>Memory store activation</td></tr>
<tr><td>AU</td><td>Automode</td></tr>
</table>

Changing The Transmitter Batteries



- With the back of the Remote Control facing you, slide the Battery Cover out.
- Place two new "AAA" size batteries onto the battery compartment with the right polarity.
- Slide the Battery Cover back into position.

Turning on the power supply

- Turn on the power to the system using the remote control. Upon first activation, "AU" will be shown on the display indicating auto mode.
- The horizontal louver will start rotating.

Night Light Button

The night light button helps you to see the location of all buttons on the remote control.

Cool Mode

- Turn on your air conditioner by pressing I/O on the remote control.
- Press the Mode Selector button until the blue indicator comes on.
- Set the temperature by pressing the temperature selector button to raise the temperature or the corresponding temperature selector button to lower it.

NOTE The minimum temperature setting is 16°C.
When in de-icing, the blue LED will blink.

Dry Mode

- Turn on your air conditioner by pressing the Power On/Off I/O button on the remote control.
- Press the Mode Selector button until the green indicator comes on.
- You may adjust the temperature between 20 to 24°C, but it will not be indicated on the status display.

NOTE The default temperature is 22°C
Fan speed is always on low.

Heat Mode

- Turn on your air conditioner by pressing the Power On/Off I/O button on the remote control.
- Press the Mode Selector button until the red indicator comes on.

NOTE The maximum temperature setting is 31°C.
When de-icing, the red LED will blink.

Fan Speed Indicator

- Turn on your air conditioner by pressing the Power On/Off (I/O) button on the remote control.
- Press the Fan Speed Selector button to set the fan speed on low, medium, high or auto.

NOTE This function is not applicable to Dry Mode.

The symbols shown here identify the different fan speeds as they will be displayed on the indoor unit.

Low Fan

Medium Fan

High Fan

Auto Fan

Directing The Air Flow

You can direct the air flow from your air conditioner straight out in to the room, down or at an angle. You can also continuously sweep the air up and down.

Home

Cool Default (Angle)

Heat Default (Down)

Swing range (Movement from angle to down)

Swing Button

- Turn on your air conditioner by pressing on the Power On/Off (I/O) button on the remote control.
- Press the Swing button to move the discharge cover between angle and down position.

NOTE The default setting of the air flow direction for cool & dry modes is horizontal and for heat mode, the default setting is vertical.

Setting The Timer

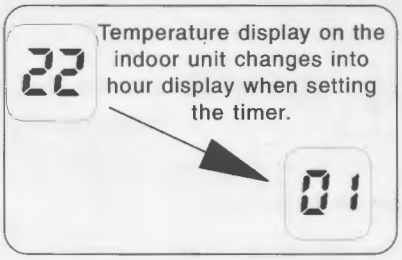
Using the timer, you can turn your air conditioner on or off at pre-set times.

NOTE The maximum number of hours that can be set is 24 hours.

When you use the remote control, point it directly at the receptor on the indoor unit.

The maximum effective distance between the remote control and the receptor is about 8 m.

The unit beeps once to confirm that the signal has been received from the remote control.



Setting The Timer To Stop

Select the desired hour for the air conditioner to start operating.

- Press the Power On/Off (I/O) button to turn on the unit.
- Press the Mode Selector button and select the desired operation mode and temperature.
- Press the Timer button to activate Timer on.
- Press the Hour Selector or button, the time can be increased or decreased by 1 hour respectively.
- The yellow indicator light on the indoor unit lights up when the timer operation is on.

NOTE To cancel the timer setting, just press the timer button on the remote again. The yellow LED will turn off, indicating the timer function is canceled

Setting The Timer To Start

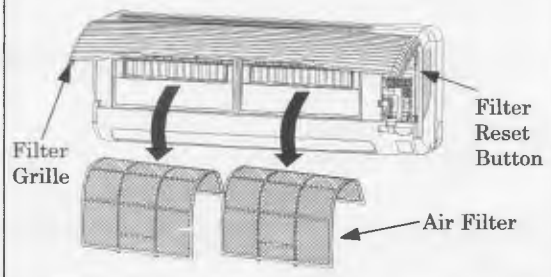
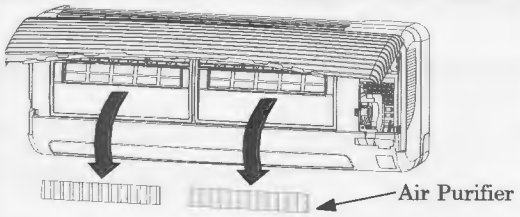
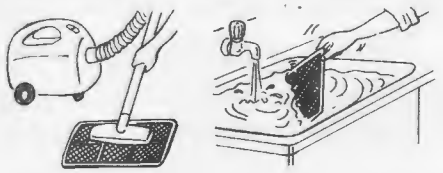
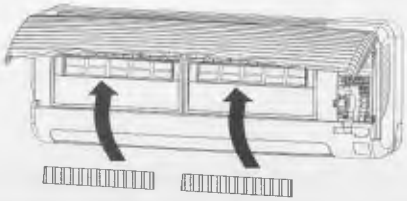
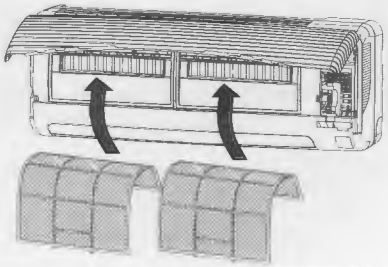
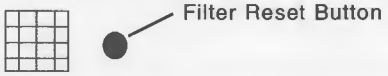
Select the desired hour for the air conditioner to start operating. The air conditioner will continue to be in OFF mode until the timer activates it.

- Press the Power On/Off (I/O) button to turn on the unit.
- Press the Mode Selector button and select the desired operation mode and temperature.
- Press the Power On/Off (I/O) button to turn off the unit.
- Press the Timer button to activate Timer on.
- Press the Hour Selector or button once, the time can be increased or decreased by 1 hour respectively. If the button is pressed and held, the time will increase or decrease continuously by 1 hour.
- The yellow indicator light on the indoor unit lights up when the timer operation is on.

Cleaning your air filters

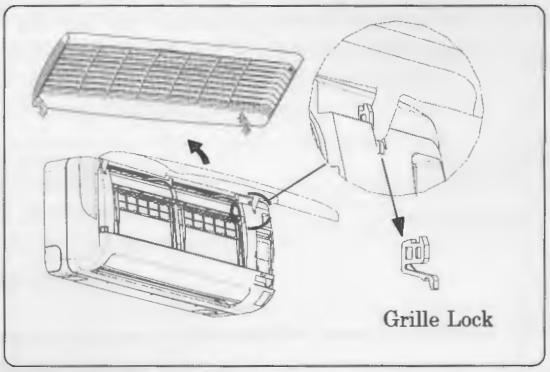
A dirty air filter will cause a reduction of airflow, which in turn causes the unit to overload and also consumes more electricity. Therefore regular cleaning is necessary for efficient and trouble-free operation.

WARNING: Ensure that the power supply is switched off before commencing maintenance work.

Lift the Filter Grille. Remove the Air Filters	
Remove the Air Purifier from the Indoor unit if it is very dirty. NOTE It is recommended to replace the Air Purifier every 3 months or when it is very dirty.	
Clean the air filter gently. Replace it if it is worn out. (For Split unit 7,000 - 12,000 BTU Part Number : 35280514]	
Re-install Air Purifier. (For Split unit 7,000 - 12,000 BTU Part Number : 350300260001)	
Re-install Air Filters.	
Press the Filter Reset button to reset the filter monitor timer. Close the Filter Grille.	

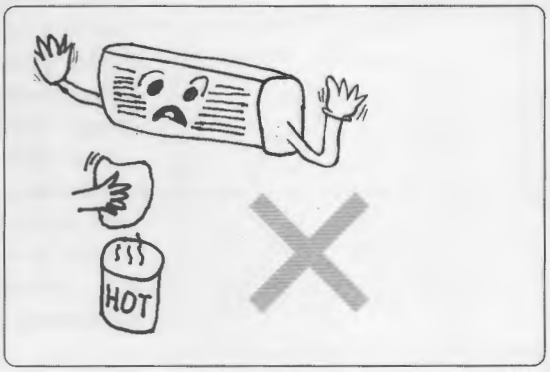
Removing The Grille

- Open the grille and remove two Grille Locks beside the grille hinges.
- Lift the grille out of the indoor unit.



Cleaning The Unit

- Clean the air conditioner with a damp cloth and wipe it dry.
- Do not use water above 40°C for cleaning, as this will cause discoloration and deformation.
- Remove dust from the front covers and louvers area with your vacuum cleaner's thin nozzle.
- Clean the indoor filter weekly or when it is very dusty, as the dust gathered may lower the efficiency of the air conditioner.
- Do not splash or direct water to the body of the unit, as this may cause a short circuit.



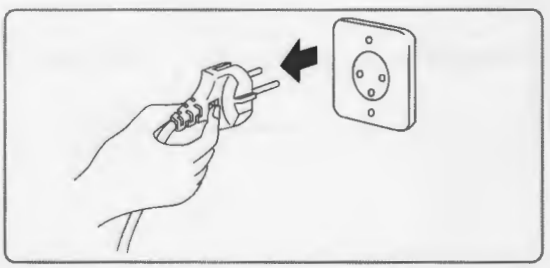
CAUTION:

Do not use thinner, benzene abrasive powders, or hot water to clean the unit.

Not Operating For A Long Period Of Time

When the air conditioner is not going to be used for a long period of time,

- switch off the power from the mains and unplug it.
- Remove the batteries from the remote control.



NOTE

If air conditioner is connected to the power supply in the on position, it will still consumes energy even though the Indoor unit is in off mode.

Before putting the system back in operation

- Turn on the main power to the system at the indoor unit.
- Re-install the batteries into the remote control transmitter.

13. TROUBLESHOOTING

Check the following before you contact the service man, you may find the solution to your problem and save yourself time and money. If the problem still persists, contact your service person.

PROBLEM	CAUSES
No Operation.	• Check to see if the power supply switch is OFF. • Check to see if you have a power failure. • Check to see if the timer is in operation.
Air Conditioner runs but does not cool	• Check whether the room temp. setting is correct. • Check whether the sunlight is directly shining into the room. If yes, use curtains or blinds to prevent heat gain to the room. • Check whether the door or window are open. • Check whether the outdoor unit fan is working. • Ensure that no heating appliances have been placed under the air conditioner unit. • Check for obstructions to the air inlet and outlet at the outdoor and indoor unit. • Check the air filter for dirt. Call for service if the room is not cold after running for more than a reasonable cooling time.
Remote control is not working.	• Replace the batteries. • Ensure the batteries contacts are clean and firmly holding the batteries. If it still doesn't work, call for service.
Outdoor unit support brackets are loose.	Call for service
The drain hose on the outdoor unit is cracked or broken.	Call for service
There's a strange noise coming from the unit.	Call for service
Water is leaking from the indoor unit.	Turn the unit off and call for service.
Display shows E1, E2, E3 or E5.	Call for service.

THE FOLLOWINGS ARE NORMAL CONDITIONS FOR THE UNIT.	
Unit does not operate upon re-start.	• If you restart the air conditioner within 3 minutes after turning it off, or change the mode during operation, a protective device will work to shut it off for 3 minutes.
Low Noise	• A soft, swishing noise can be heard during operation or immediately after the unit is turned off. This is the sound of the circulating refrigerant.
Condensate water coming out of the unit	• In Cool or Dry mode, condensate water can sometimes be seen coming from the air outlet due to the differences in temperature between the room air and the outlet air.

Mariani Clima S.p.a. Cap. Sociale Euro € 6.192.000 i.v.

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